Day : Wednesday

PALM INTRANET

Date: 5/30/2007
Time: 15:03:32

Inventor Name Search Result

Your Search was:

Last Name = GABBAY
First Name = JEFFREY

Application#	Patent#	Status	Date Filed	Title	Inventor Name
08693657	5981066	250	08/09/1996	APPLICATIONS OF METALLIZED TEXTILE	GABBAY, JEFFREY
08917608	Not Issued	161	08/26/1997	THERMOCHEMICALLY BENIGN TEXTILE	GABBAY, JEFFREY
09327400	6124221	150	06/07/1999	ARTICLE OF CLOTHING HAVING ANTIBACTERIAL, ANTIFUNGAL, AND ANTIYEAST PROPERTIES	GABBAY, JEFFREY
09478886	Not Issued	161	01/07/2000	THERMOCHEMICALLY BENIGN TEXILE	GABBAY, JEFFREY
09557669	6482424	150	04/25/2000	METHODS AND FABRICS FOR COMBATING NOSOCOMIAL INFECTIONS	GABBAY, JEFFREY
10133691	Not Issued	161	04/24/2002	Method and device for inactivating HIV	GABBAY, JEFFREY
10240993	7169402	150	12/16/2002	ANTIMICROBIAL AND ANTIVIRAL POLYMERIC MATERIALS	GABBAY, JEFFREY
10339886	Not Issued	41	01/10/2003	Method and device for inactivating viruses	GABBAY, JEFFREY
10371491	Not Issued	161	02/21/2003	Disposable diaper for combating diaper rash	GABBAY, JEFFREY
10405408	Not Issued	41	04/01/2003	Disposable paper-based hospital and operating theater products	GABBAY, JEFFREY
10752938	Not Issued	61	01/06/2004	Anti-virus hydrophilic polymeric material	GABBAY, JEFFREY
10756849	Not Issued	71	01/13/2004	Disposable feminine hygiene products	GABBAY, JEFFREY
10757786	Not Issued	120	01/13/2004	Disposable diaper for combating diaper rash	GABBAY, JEFFREY
10772890	Not Issued	71	02/04/2004	Anti-virus hydrophilic polymeric material	GABBAY, JEFFREY

10890936	Not Issued	30	07/13/2004	Antimicrobial and antiviral polymeric materials and a process for preparing the same	GABBAY, JEFFREY
10966138	Not Issued	41	10/15/2004	Method and device for inactivating viruses	GABBAY, JEFFREY
11066893	Not Issued	30	02/25/2005	Device for cleaning tooth and gum surfaces	GABBAY, JEFFREY
11648858	Not Issued	17	12/28/2006	Antimicrobial and antiviral polymeric materials	GABBAY, JEFFREY
11667095	Not Issued	19	01/01/0001	Methods and materials for skin care	GABBAY, JEFFREY
11667182	Not Issued	19	01/01/0001	Copper containing materials for treating wounds burns and other skin conditions	GABBAY, JEFFREY
11692884	Not Issued	19	03/28/2007	Antimicrobial, Antifungal and Antiviral Rayon Fibers	GABBAY, JEFFREY
07504557	5102726	150	04/03/1990	FLEXIBLE COMPOSITE LAMINATE COMPRISING A TEXTILE SUBSTRATE, CEMENTITIOUS LAYER AND SEALING LAYER	GABBAY, JEFFREY S. S.
60041324	Not Issued	159	03/20/1997	ROTARY SCREEN PRINTING, STANDARD FOAM, STANDARD DIPPING STANDARD KNIFE COATING, OR A KISS-ROLL/PAD SYSTEM OF TECHNOLOGY AS A BASIS FOR BINDERLESS APPLICATION FOR PRINTING OF METALS ON TEXTILES AND OTHER MATERIALS	GABBAY, JEFFREY S. S.

Inventor Search Completed: No Records to Display.

Search Another: Inventor **Last Name** gabbay **First Name** jeffrey Search

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page

10772890

INVENTOR SEARCH

=> d ibib abs l2 1-2

L2 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:185434 HCAPLUS Full-text
DOCUMENT NUMBER: 142:262333
TITLE: Anti-virus **hydrophilic polymeric** material and device using it
INVENTOR(S): **Gabbay, Jeffrey**
PATENT ASSIGNEE(S): The Cupron Corporation, USA
SOURCE: U.S. Pat. Appl. Publ., 6 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005049370	A1	20050303	US 2004-752938	20040106
US 2005048131	A1	20050303	US 2004-772890	20040204
AU 2004267961	A1	20050310	AU 2004-267961	20040720
CA 2536699	A1	20050310	CA 2004-2536699	20040720
WO 2005020689	A1	20050310	WO 2004-IL636	20040720
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EP 1657980	A1	20060524	EP 2004-744976	20040720
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CN 1856253	A	20061101	CN 2004-80027322	20040720
TR 200601582	T1	20070122	TR 2006-1582	20040720
JP 2007504291	T	20070301	JP 2006-524524	20040720

PRIORITY APPLN. INFO.:

IL 2003-157625	A	20030828
US 2004-752938	A2	20040106
US 2004-772890	A	20040204
WO 2004-IL636	W	20040720

AB The invention provides a method for imparting antiviral properties to a **hydrophilic polymeric** material comprising preparing a **hydrophilic polymeric** slurry, dispersing an ionic copper powder mixture containing cuprous oxide and cupric oxide in said slurry and then extruding or molding said slurry to form a **hydrophilic polymeric** material, wherein water-insol. particles that release both Cu++ and Cu+ are directly and completely encapsulated within said **hydrophilic polymeric** material. An antiviral glove can be made from the polymeric material.

L2 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:182116 HCAPLUS Full-text
DOCUMENT NUMBER: 142:246311
TITLE: Antiviral **hydrophilic polymers** containing copper
INVENTOR(S): **Gabbay, Jeffrey**
PATENT ASSIGNEE(S): The Cupron Corporation, USA
SOURCE: U.S. Pat. Appl. Publ., 11 pp., Cont.-in-part of U.S. Ser. No. 752,938.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005048131	A1	20050303	US 2004-772890	20040204
US 2005049370	A1	20050303	US 2004-752938	20040106
AU 2004267961	A1	20050310	AU 2004-267961	20040720
CA 2536699	A1	20050310	CA 2004-2536699	20040720
WO 2005020689	A1	20050310	WO 2004-IL636	20040720
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1657980	A1	20060524	EP 2004-744976	20040720
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1856253	A	20061101	CN 2004-80027322	20040720
TR 200601582	T1	20070122	TR 2006-1582	20040720
JP 2007504291	T	20070301	JP 2006-524524	20040720

PRIORITY APPLN. INFO.:

IL 2003-157625	A	20030828
US 2004-752938	A2	20040106
US 2004-772890	A	20040204
WO 2004-IL636	W	20040720

AB The invention provides a method for imparting antiviral properties to a **hydrophilic polymeric** material comprising preparing a **hydrophilic polymeric** slurry, dispersing an ionic copper powder mixture containing cuprous oxide and cupric oxide in said slurry and then extruding or molding said slurry to form a **hydrophilic polymeric** material, wherein water-insol. particles that release both Cu++ and Cu+ are directly and completely encapsulated within said **hydrophilic polymeric** material.

SEARCH IN REGISTRY, CAPLUS, AND USPATFULL

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L4        37009 SEA FILE=HCAPLUS ABB=ON  ?HYDROPHILIC?(P)?POLYMER?
L5          345 SEA FILE=HCAPLUS ABB=ON  L4 AND (?VIRUS? OR ?VIRAL?)
L6            1 SEA FILE=REGISTRY ABB=ON  (NITRILES OR ACRYLICS OR POLYVINYL
                ALCOHOL OR SILASTIC RUBBER)/CN
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L9            1 SEA FILE=REGISTRY ABB=ON  COPPER/CN
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L18         114 SEA FILE=USPATFULL ABB=ON  L17 AND ?MULTILAYER?
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L21  ANSWER 1 OF 12  HCAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2005:185434  HCAPLUS  Full-text
DOCUMENT NUMBER:          142:262333
TITLE:                    Anti-virus hydrophilic
                          polymeric material and device using it
INVENTOR(S):              Gabbay, Jeffrey
PATENT ASSIGNEE(S):       The Cupron Corporation, USA
SOURCE:                   U.S. Pat. Appl. Publ., 6 pp.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   2
PATENT INFORMATION:

     PATENT NO.            KIND   DATE        APPLICATION NO.          DATE
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     US 2005049370          A1    20050303    US 2004-752938           20040106 <--
     US 2005048131          A1    20050303    US 2004-772890           20040204 <--
     AU 2004267961          A1    20050310    AU 2004-267961           20040720 <--
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     WO 2005020689          A1    20050310    WO 2004-IL636            20040720 <--
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             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
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EP 1657980	A1	20060524	EP 2004-744976	20040720 <--
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TR 200601582	T1	20070122	TR 2006-1582	20040720 <--
JP 2007504291	T	20070301	JP 2006-524524	20040720 <--
PRIORITY APPLN. INFO.:			IL 2003-157625 A	20030828 <--
			US 2004-752938 A2	20040106 <--
			US 2004-772890 A	20040204
			WO 2004-IL636 W	20040720

AB The invention provides a method for imparting **antiviral** properties to a **hydrophilic polymeric** material comprising preparing a **hydrophilic polymeric** slurry, dispersing an ionic **copper** powder mixture containing cuprous oxide and **cupric oxide** in said slurry and then extruding or molding said slurry to form a **hydrophilic polymeric** material, wherein water-insol. particles that release both Cu++ and Cu+ are directly and completely **encapsulated** within said **hydrophilic polymeric** material. An **antiviral** glove can be made from the **polymeric** material.

L21 ANSWER 2 OF 12 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:182116 HCAPLUS Full-text
DOCUMENT NUMBER: 142:246311
TITLE: **Antiviral hydrophilic polymers** containing **copper**
INVENTOR(S): Gabbay, Jeffrey
PATENT ASSIGNEE(S): The Cupron Corporation, USA
SOURCE: U.S. Pat. Appl. Publ., 11 pp., Cont.-in-part of U.S. Ser. No. 752,938.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005048131	A1	20050303	US 2004-772890	20040204 <--
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AU 2004267961	A1	20050310	AU 2004-267961	20040720 <--
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WO 2005020689	A1	20050310	WO 2004-IL636	20040720 <--
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1657980	A1	20060524	EP 2004-744976	20040720 <--
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CN 1856253	A	20061101	CN 2004-80027322		20040720 <--
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JP 2007504291	T	20070301	JP 2006-524524		20040720 <--
PRIORITY APPLN. INFO.:			IL 2003-157625	A	20030828 <--
			US 2004-752938	A2	20040106 <--
			US 2004-772890	A	20040204
			WO 2004-IL636	W	20040720

AB The invention provides a method for imparting **antiviral** properties to a **hydrophilic polymeric** material comprising preparing a **hydrophilic polymeric** slurry, dispersing an ionic **copper** powder mixture containing cuprous oxide and **cupric oxide** in said slurry and then extruding or molding said slurry to form a **hydrophilic polymeric** material, wherein water-insol. particles that release both Cu++ and Cu+ are directly and completely **encapsulated** within said **hydrophilic polymeric** material.

L21 ANSWER 3 OF 12 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:824796 HCAPLUS Full-text
DOCUMENT NUMBER: 141:320084
TITLE: Polymer gels for **encapsulation** of biological materials
INVENTOR(S): Hubbell, Jeffrey A.; Pathak, Chandrashekhar P.; Sawhney, Amarpreet S.; Desai, Neil P.; Hossainy, Syed F. A.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 34 pp., Cont.-in-part of U.S. Ser. No. 811,901, abandoned.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 13
PATENT INFORMATION:

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US 2004195710	A1	20041007	US 2004-761180		20040120 <--
US 5529914	A	19960625	US 1992-958870		19921007 <--
US 6258870	B1	20010710	US 1997-783387		19970113 <--
US 6231892	B1	20010515	US 1997-969910		19971113 <--
US 2002058318	A1	20020516	US 2001-811901		20010319 <--
US 6911227	B2	20050628			
US 2007100015	A1	20070503	US 2006-644606		20061222 <--
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			US 1995-484160	B3	19950607 <--
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			US 2001-811901	B2	20010319 <--
			US 1991-740632	A3	19910805 <--
			US 1991-740703	A2	19910805 <--
			US 1994-336393	A3	19941110 <--
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AB This invention provides novel methods for the formation of biocompatible membranes around biol. materials using photopolymn. of water soluble mols. The membranes can be used as a covering to **encapsulate** biol. materials or biomedical devices, as a "glue" to cause more than one biol. substance to adhere together, or as carriers for biol. active species. Several methods for forming these membranes are provided. Each of these methods utilizes a polymerization system containing water-soluble macromers, species, which are

at once polymers and macromols. capable of further polymerization The macromers are polymerized using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator, and radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization The polymer membrane can be formed directly on the surface of the biol. material, or it can be formed on material, which is already **encapsulated.** For example, the microcapsule interfacial polymerization method was used to form membrane around alginate-poly(L-lysine) (PLL) microcapsules containing islets. Alginate-PLL coacervated microspheres, containing one or two human pancreatic islets each, were suspended in a 1.1% CaCl2 solution and aspirated free of excess solution to obtain a dense plug of microspheres. A solution of ethyl eosin (0.04% weight/volume) was prepared in a 1.1% CaCl2 solution and filter-sterilized. The plug of microspheres was suspended in 10 mL of the eosin solution for 2 min to allow uptake of the dye and excess dye. was removed. A solution of PEG 18.5 tetraacrylate (2 mL; 23% weight/volume) containing 100 L of a 3.5% weight/volume solution of triethanolamine in HEPES buffered saline was added to 0.5 mL of those microspheres. The microspheres were exposed to argon ion laser light for 30 s with periodic agitation, washed with calcium solution and the process was repeated in order to further stabilize the coating. A static glucose stimulation test (SGS) confirmed the vitality and functionality of the islets.

L21 ANSWER 4 OF 12 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:412559 HCAPLUS Full-text
DOCUMENT NUMBER: 140:412329
TITLE: Topical compositions containing organic acids for treatment of dermal conditions
INVENTOR(S): Maley, Joseph C.; Gibbins, Bruce L.
PATENT ASSIGNEE(S): Acrymed, Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 13 pp., Cont.-in-part of U.S. Ser. No. 207,936.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004096410	A1	20040520	US 2003-630627	20030729 <--
US 2004019112	A1	20040129	US 2002-207936	20020729 <--
US 6921529	B2	20050726		
WO 2004010952	A2	20040205	WO 2003-US23851	20030729 <--
WO 2004010952	A3	20041202		
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003257937	A1	20040216	AU 2003-257937	20030729 <--
CN 1678277	A	20051005	CN 2003-820077	20030729 <--
PRIORITY APPLN. INFO.:			US 2002-207936	A2 20020729 <--
			US 2003-630627	A 20030729 <--

WO 2003-US23851 W 20030729 <--

AB The present invention comprises methods and compns. for the treatment of pathol. conditions of the dermis and dermal structures of animals and humans. In particular, the present invention comprises the use of topical delivery vehicles, including hydrogels, which incorporate active agents, such as organic acids, for the treatment of dermal conditions. For example, a polyacrylamide matrix containing citric acid as the active agent was prepared The matrix was made by dissoln. of acrylamide, bis-acrylamide, guar gum, and glycerol in the aqueous charge and then initiated and catalyzed **polymerization** with TEMED and sodium persulfate. A sheet of **hydrophilic** matrix was created by dehydration at 45° resulting in approx. 3% moisture. The sheet was then reconstituted with the addition of concentrated solns. of citric acid to form sheets so that the moisture content was approx. 50% by weight The concentration of citric acid in the prototypes was 6%, 8%, 10%, 12%, and 16% by weight The sheet was applied to infected nails and secured using a medical grade polyurethane adhesive thin film dressing. The cover dressing was applied so that the matrix parts were completely bordered on all sizes. Matrix applied in this fashion could be worn for up to one week but typically were changed approx. every 2-3 days.

L21 ANSWER 5 OF 12 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:319266 HCAPLUS Full-text
DOCUMENT NUMBER: 138:343857
TITLE: Pharmaceutical formulations and systems for improved absorption and multistage release of active agents
INVENTOR(S): Chen, Feng-Jing; Venkateshwaran, Srinivasan; Krill, Steven L.; Patel, Mahesh V.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 55 pp., Cont.-in-part of U.S. Ser. No. 898,553.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 13
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003077297	A1	20030424	US 2002-74687	20020211 <--
US 6294192	B1	20010925	US 1999-258654	19990226 <--
US 6267985	B1	20010731	US 1999-345615	19990630 <--
US 6248363	B1	20010619	US 1999-447690	19991123 <--
US 2003064097	A1	20030403	US 2001-800593	20010306 <--
US 6569463	B2	20030527		
US 2002032171	A1	20020314	US 2001-877541	20010608 <--
US 6761903	B2	20040713		
US 2002012680	A1	20020131	US 2001-898553	20010702 <--
US 6451339	B2	20020917		
WO 2003068186	A1	20030821	WO 2003-US4195	20030211 <--

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003213020	A1	20030904	AU 2003-213020		20030211 <--
PRIORITY APPLN. INFO.:			US 1999-258654	A1	19990226 <--
			US 1999-345615	A2	19990630 <--
			US 1999-447690	A3	19991123 <--
			US 2001-800593	A2	20010306 <--
			US 2001-877541	A2	20010608 <--
			US 2001-898553	A2	20010702 <--
			US 1999-375636	A2	19990817 <--
			US 2000-751968	A2	20001229 <--
			US 2002-74687	A	20020211 <--
			WO 2003-US4195	W	20030211 <--

AB The present invention pertains to pharmaceutical formulations and systems for delivery of active agents, wherein a first fraction of an active agent is suspended in a vehicle and a second fraction of active agent is solubilized in the vehicle, with the suspended fraction representing about 5 weight % to about 80 weight % of the active agent and the second fraction representing about 20 weight % to about 95 weight % of the active agent. One or more addnl. active agents, which may be fully solubilized, partially solubilized, or suspended, may also be present. The first and second fractions of the active agent may or may not have different release profiles. Generally, a significant fraction of the solubilized drug will release rapidly, providing for rapid onset, while the suspended drug may be formulated for delayed and/or sustained release. A pharmaceutical suspension contained isotretinoin 40, soybean oil 200, Maisine 35-1 100, and Lutrol F68 100 mg.

L21 ANSWER 6 OF 12 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:637548 HCAPLUS Full-text
DOCUMENT NUMBER: 137:190734
TITLE: Formulations containing monoglycerides for enhancement of drug bioavailability
INVENTOR(S): Jeong, Seo-young; Kwon, Ick-chan; Chung, Hesson
PATENT ASSIGNEE(S): Korea Institute of Science and Technology, S. Korea
SOURCE: PCT Int. Appl., 42 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002064166	A1	20020822	WO 2002-KR206	20020208 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
KR 2002066778	A	20020821	KR 2001-7125	20010213 <--
AU 2002233777	A1	20020828	AU 2002-233777	20020208 <--
PRIORITY APPLN. INFO.:			KR 2001-7125	A 20010213 <--
			WO 2002-KR206	W 20020208 <--

AB The present invention relates to compns. and formulations to enhance bioavailability of bioactive materials and preparation method thereof. More particularly, the present invention relates to a composition comprising at least one monoglyceride, at least one emulsifier, organic solvents and aqueous

solution and a liquid and powder formulation prepared by adding bioactive material with a low bioavailability to enhance bioavailability of bioactive materials and to acquire high **encapsulation** efficiency of the bioactive material and high storage stability for a long period of time and preparation method thereof. For example, a liquid formulation containing tetanus toxoid was prepared In 120 μL of ethanol, 20 mg Pluronic F-68 was dissolved (under heating if necessary). After mixing 40 μL of the 5.376 mg/mL tetanus toxoid aqueous solution and 280 mg of propylene glycol, 100 mg of monoolein and the above Pluronic F-68/ethanol solution was added to the mixture of tetanus toxoid and propylene glycol and stirred to prepare a homogeneous liquid solution Ethanol in the formulation was evaporated completely by purging with oxygen-free nitrogen gas to prepare the viscous liquid formulation. The formulation was dispersed well in water, and the average particle size and polydispersity of the dispersion of the liquid formulation were 303.9 nm and 0.185, resp., in water and 175.2 nm and 0.377, resp., in 0.01 M sodium deoxycholate. The **encapsulation** efficiency of tetanus toxoid was 80-85%.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 7 OF 12 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:816425 HCAPLUS Full-text
DOCUMENT NUMBER: 135:362653
TITLE: Hemostatic agent based on oxyacid salt, method and carrier for applying a blood clotting agent
INVENTOR(S): Patterson, James A.; Thompson, John A.; Keene, Talmadge Kelly; Reding, James W.
PATENT ASSIGNEE(S): Biolife, L.L.C, USA
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2001082896	A1	20011108	WO 2001-US13765		20010427 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
US 6521265	B1	20030218	US 2000-592344		20000613 <--
US 2002141964	A1	20021003	US 2001-766513		20010119 <--
EP 1276463	A1	20030122	EP 2001-930907		20010427 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
JP 2003531850	T	20031028	JP 2001-579771		20010427 <--
BR 2001010670	A	20050524	BR 2001-10670		20010427 <--
NZ 522121	A	20051125	NZ 2001-522121		20010427 <--
ZA 2002008661	A	20031027	ZA 2002-8661		20021025 <--
IN 2002CN01760	A	20050211	IN 2002-CN1760		20021025 <--
PRIORITY APPLN. INFO.:			US 2000-200207P	P	20000428 <--
			US 2000-592344	A	20000613 <--
			US 2001-766513	A	20010119 <--
			US 2000-500902	A2	20000209 <--

WO 2001-US13765 W 20010427 <--

AB A hemostatic agent, method and carrier for arresting the flow of blood and other protein-containing body fluids flowing from an open wound and for promoting wound healing are described. A broad aspect is directed to a substantially anhydrous admixt. of an oxyacid salt and a **hydrophilic** proton donor which will hydrate in the presence of blood and body fluid to produce cations to promote blood clotting. The preferred oxyacid salts are alkali and alkaline earth salts of transition metals and halogen oxyacids with oxidizing capabilities sufficient to accelerate blood clotting. Another embodiment of the invention includes the compound containing an oxysalt plus a **hydrophilic polymer** such as CM-cellulose, **polyvinyl alc.**, an alginate, and all soluble gums. Still another embodiment of the invention includes the compound formed of an oxyacid salt in combination with a **hydrophilic** proton donor and a solid desiccant which further accelerates blood coagulation reaction rates. The cation exchange material or an admixt. of an alkali metal oxyacid salt plus acidic inorg. salt produces a scab or protective coating over the wound for protection and enhanced healing. Oxygen produced during the reaction substantially reduces the level of bacteria, **virus** and fungus at the wound. The resin is performance-enhanced for greater fluid uptake and more rapid coagulation.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 8 OF 12 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:780648 HCAPLUS Full-text
DOCUMENT NUMBER: 135:335147
TITLE: Polymer-based injectable sustained release pharmaceutical compositions for peptide and protein drugs
INVENTOR(S): Lee, Hee-yong; Lee, Hye-suk; Kim, Jung-soo; Kim, Sang-beom; Lee, Ji-suk; Choi, Ho-il; Chang, Seung-gu
PATENT ASSIGNEE(S): Peptron Inc., S. Korea
SOURCE: PCT Int. Appl., 37 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001078687	A1	20011025	WO 2001-KR462	20010322 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
KR 2001099583	A	20011109	KR 2000-49344	20000824 <--
EP 1187602	A1	20020320	EP 2001-917893	20010322 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 2003026844	A1	20030206	US 2002-18870	20020418 <--

PRIORITY APPLN. INFO.:

KR 2000-20484	A	20000418 <--
KR 2000-49344	A	20000824 <--
WO 2001-KR462	W	20010322 <--

AB Controlled and sustained release injectable pharmaceutical compns. for a biopharmaceutical, such as peptides and proteins are described. Processes for preparation of an injectable sustained release composition comprises (i) a step of preparing biodegradable porous microspheres having accessible ionic functional groups, (ii) a step of **encapsulating** a biopharmaceutical into the microspheres through ionic interaction by suspending or equilibrating the microspheres in a solution containing the biopharmaceutical, and (iii) a step of recovering and freeze-drying the biopharmaceutical-incorporated microspheres. For example, microspheres were prepared by water/oil/water double emulsion solvent evaporation method using a **hydrophilic** 50:50 PLGA **polymer** (RG 502H), which contains free carboxy end groups. Deionized water (800 mL) was added to 1 g of PLGA **polymer** dissolved in 2 mL of methylene chloride and emulsified by sonication for 30 s using a probe type ultrasonic generator. This primary emulsion was dispersed into 200 mL of deionized water containing 0.5% **polyvinyl alc.** (weight/volume) in a vessel which connected to a constant temperature controller and mixed well by stirring for 15 min at 2500 rpm, 25° using a mixer. After mixing for another 15 min at 1500 rpm, 25°, temperature of continuous phase was increased to 40° to evaporate methylene chloride. After 1 h stirring at 40°, 1500 rpm, temperature was decreased to 25°. The hardened microspheres were collected by centrifugation and washed twice with 200 mL of deionized water, and then freeze-dried. The microspheres obtained were used for incorporation of protein drugs, i.e., ovalbumin, bovine serum albumin, human growth hormone, RNase A, or lysozyme through ionic interaction by simply soaking and equilibrating the microspheres into a buffer solution having an appropriate concentration of protein.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 9 OF 12 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:136991 HCAPLUS Full-text
DOCUMENT NUMBER: 134:198075
TITLE: Triglyceride-free compositions and methods for enhanced absorption of hydrophilic therapeutic agents
INVENTOR(S): Patel, Mahesh V.; Chen, Feng-Jing
PATENT ASSIGNEE(S): Lipocine, Inc., USA
SOURCE: PCT Int. Appl., 113 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 13
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001012155	A1	20010222	WO 2000-US18807	20000710 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6309663	B1	20011030	US 1999-375636	19990817 <--
CA 2380642	A1	20010222	CA 2000-2380642	20000710 <--
EP 1210063	A1	20020605	EP 2000-947184	20000710 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003506476	T	20030218	JP 2001-516502	20000710 <--

NZ 517659	A	20041224	NZ 2000-517659		20000710 <--
AU 780877	B2	20050421	AU 2000-60838		20000710 <--
US 2001024658	A1	20010927	US 2000-751968		20001229 <--
US 6458383	B2	20021001			
PRIORITY APPLN. INFO.:			US 1999-375636	A	19990817 <--
			WO 2000-US18807	W	20000710 <--

AB The present invention relates to triglyceride-free pharmaceutical compns., pharmaceutical systems, and methods for enhanced absorption of hydrophilic therapeutic agents. The compns. and systems include an absorption enhancing carrier, where the carrier is formed from a combination of at least two surfactants, at least one of which is hydrophilic. A hydrophilic therapeutic agent can be incorporated into the composition, or can be co-administered with the composition as part of a pharmaceutical system. The invention also provides methods of treatment with hydrophilic therapeutic agents using these compns. and systems. For example, when a composition containing Cremophor RH40 0.30, Arlacel 186 0.20, Na taurocholate 0.18, and propylene glycol 0.32 g, resp., was used, the relative absorption of PEG 4000 as a model macromol. drug was enhanced by 991%.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 10 OF 12 USPATFULL on STN

ACCESSION NUMBER: 2000:124564 USPATFULL Full-text

TITLE: Anti-bacterial/anti-**viral** coatings, coating process and parameters thereof

INVENTOR(S): Snyder, Jr., Donald E., Brockport, NY, United States

PATENT ASSIGNEE(S): Viro-kote, Inc., Franklin, TN, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6120784		20000919	<--
APPLICATION INFO.:	US 1998-172588		19981016 (9)	

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1997-904321, filed on 31 Jul 1997, now abandoned which is a continuation-in-part of Ser. No. US 1996-603783, filed on 20 Feb 1996, now patented, Pat. No. US 5674513

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: Clardy, S. Mark

ASSISTANT EXAMINER: Shelborne, Kathryne E.

LEGAL REPRESENTATIVE: Fay, Sharpe, Fagan, Minnich & McKee, LLP

NUMBER OF CLAIMS: 24

EXEMPLARY CLAIM: 1

LINE COUNT: 1751

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a method of imparting anti-pathogenic properties to a substrate material comprising: (a) preparing a coating composition containing an anti-pathogenic agent consisting essentially of PVP-I and N-9 in a ratio of from about 100:0 to about 0:100 of PVP-I to N-9, the coating composition further containing a pre-mix solution with which the anti-pathogenic agent is intimately mixed in a ratio of from about 6:4 to about 8:2 of agent to pre-mix on a dry basis, and having a percent solids content of from about 5% to about 35% solids; (b) feeding the anti-pathogenic coating composition into a coating machine; (c) loading substrate onto the coating machine; (d) operating the coating machine such that the coating composition comes into intimate contact with at least one surface of the substrate; and (e) drying the coated substrate material. The invention further relates to the preparation of coating composition, the composition itself and to providing the coating in a dual or **multilayered** format,

wherein a **first layer** contains the active ingredient and a **second layer** contains the remaining coating components.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 11 OF 12 USPATFULL on STN
ACCESSION NUMBER: 1999:128156 USPATFULL Full-text
TITLE: Anti-bacterial/anti-viral coatings, coating process and parameters thereof
INVENTOR(S): Snyder, Jr., Donald E., Brockport, NY, United States
PATENT ASSIGNEE(S): Viro-Kote, Inc., Dallas, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5968538		19991019	<--
APPLICATION INFO.:	US 1997-904321		19970731 (8)	

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1996-603783, filed on 20 Feb 1996, now patented, Pat. No. US 5674513
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Dees, Jose' G.
ASSISTANT EXAMINER: Shelborne, Kathryne E.
LEGAL REPRESENTATIVE: Fay, Sharpe, Beall, Fagan, Minnich & McKee, LLP
NUMBER OF CLAIMS: 17
EXEMPLARY CLAIM: 1
LINE COUNT: 1581
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to a method of imparting anti-pathogenic properties to a substrate material comprising: (a) preparing a coating composition containing an anti-pathogenic agent consisting essentially of PVP-I and N-9 in a ratio of from about 100:0 to about 0:100 of PVP-I to N-9, the coating composition further containing a pre-mix solution with which the anti-pathogenic agent is intimately mixed in a ratio of from about 6:4 to about 8:2 of agent to pre-mix on a dry basis, and having a percent solids content of from about 5% to about 35% solids; (b) feeding the anti-pathogenic coating composition into a coating machine; (c) loading substrate onto the coating machine; (d) operating the coating machine such that the coating composition comes into intimate contact with at least one surface of the substrate; and (e) drying the coated substrate material. The invention further relates to the preparation of coating composition, the composition itself and to providing the coating in a dual or **multilayered** format, wherein one or more layers contain anti-**viral**/anti-bacterial active ingredients.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 12 OF 12 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1987:583618 HCAPLUS Full-text
DOCUMENT NUMBER: 107:183618
TITLE: Sustained-release hydrogels containing amino acid functionalized units for ophthalmic or other use
INVENTOR(S): Bawa, Rajan
PATENT ASSIGNEE(S): Bausch and Lomb Inc., USA
SOURCE: Eur. Pat. Appl., 34 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 219208	A2	19870422	EP 1986-306348	19860815 <--
EP 219208	A3	19880601		
EP 219208	B1	19920624		
R: BE, CH, DE, FR, GB, IT, LI, NL, SE				
US 4668506	A	19870526	US 1985-766741	19850816 <--
CA 1277236	C	19901204	CA 1986-515033	19860731 <--
JP 62103029	A	19870513	JP 1986-190686	19860815 <--
PRIORITY APPLN. INFO.:			US 1985-766741 A	19850816 <--

AB Sustained release hydrogels contain a drug in a **polymer** composed of acrylates which are **hydrophilic**, acrylates functionalized by an amino acid, and cross-linking agents. These hydrogels are especially useful as ophthalmic inserts or medicated contact lenses. Solution A is prepared from 2-hydroxyethyl methacrylate 85.3, isobornyl methacrylate 10, methacroyl glycine 6, and ethylene glycol dimethacrylate 0.5 g, and benzoin Me ether 0.5 g is added. Solution B is the same as solution A except pitocarpine HCl (I) 11.43 g is added. A triple layer contact lens is made by spincasting 9.8 μL solution A; injecting 29.4 μL solution B on the resulting **polymer**, spincasting, and injecting 9.8 .mL solution A on the resulting 2-layer **polymer**. The resulting triple-spun contact lens has a **polymer**-drug layer **encapsulated** between 2 non-drug **polymer** layers. This composition released I into distilled water relatively rapidly for the first .apprx.20 h, and then released the drug at .apprx.0.4 mg/h until .apprx.170 h, when testing was stopped. Solution A was also polym. and the **polymer** was soaked in I to give another sustained-release composition, which had similar release characteristics to I-soaked Ocusert-20 after the first .apprx.15 h.

SEARCH IN MEDLINE, BIOSIS, EMBASE, AND JAPIO

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=> d que stat l22
L4         37009 SEA FILE=HCAPLUS ABB=ON  ?HYDROPHILIC?(P)?POLYMER?
L5           345 SEA FILE=HCAPLUS ABB=ON  L4 AND (?VIRUS? OR ?VIRAL?)
L6             1 SEA FILE=REGISTRY ABB=ON  (NITRILES OR ACRYLICS OR POLYVINYL
                 ALCOHOL OR SILASTIC RUBBER)/CN
L8             3 SEA FILE=REGISTRY ABB=ON  "COPPER OXIDE"/CN
L9             1 SEA FILE=REGISTRY ABB=ON  COPPER/CN
L10           83 SEA FILE=HCAPLUS ABB=ON  L5 AND (L6 OR ?LATEX? OR ?NITRILE? OR
                 ?ACRYLIC? OR ?POLYVINYL?(W)?ALCOHOL? OR ?SILASTIC?(W)?RUBBER?)
L11            6 SEA FILE=HCAPLUS ABB=ON  L10 AND (L8 OR L9 OR (?COPPER? OR
                 ?CUPRIC?)(W)?OXID? OR ?COPPER?)
L12           13 SEA FILE=HCAPLUS ABB=ON  L10 AND (?ENCAPSULAT? OR (?FIRST? OR
                 ?SECOND?)(W)?LAYER)
L13           17 SEA FILE=HCAPLUS ABB=ON  L11 OR L12
L14           10 SEA FILE=HCAPLUS ABB=ON  L13 AND (PRD<20040204 OR PD<20040204)
L22            1 SEA L14


=> d ibib abs l22 1-1

L22  ANSWER 1 OF 1  EMBASE  COPYRIGHT (c) 2007 Elsevier B.V. All rights
     reserved on STN
ACCESSION NUMBER:    2000008300  EMBASE    Full-text
TITLE:               Highly loaded nanoparticulate carrier using an hydrophobic
                     antisense oligonucleotide complex.
AUTHOR:              Berton M.; Allemann E.; Stein C.A.; Gurny R.
CORPORATE SOURCE:    R. Gurny, School of Pharmacy, University of Geneva, Quai
                     E.-Ansermet, CH-1211 Geneva 4, Switzerland.
                     robert.gurny@pharm.unige.ch
SOURCE:              European Journal of Pharmaceutical Sciences, (1999
                     ) Vol. 9, No. 2, pp. 163-170. .
                     Refs: 37
                     ISSN: 0928-0987  CODEN: EPSCED
PUBLISHER IDENT.:    S 0928-0987(99)00049-4
COUNTRY:             Netherlands
DOCUMENT TYPE:       Journal; Article
FILE SEGMENT:        037     Drug Literature Index
                     039     Pharmacy
LANGUAGE:            English
SUMMARY LANGUAGE:    English
ENTRY DATE:          Entered STN: 20 Jan 2000
                     Last Updated on STN: 20 Jan 2000
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AB Antisense oligonucleotides, and particularly those with phosphorothioate backbones, have emerged as potential gene specific therapeutic agents and are currently undergoing evaluation in clinical trials for a variety of diseases. In the area of HIV-1 therapeutics, targeting of oligonucleotides to infected cells, such as macrophages, would be highly desirable. The present study was designed to prepare and characterize oligonucleotide-loaded nanoparticles for this purpose. Due to their **hydrophilic** characteristics, oligonucleotides are difficult to entrap in **polymeric** particles. Here, the oligonucleotides were first complexed with cetyltrimethylammonium bromide. The oligonucleotide-loaded nanoparticles were prepared by the emulsification-diffusion method and subsequently purified. In comparison with previous studies, a high oligonucleotide-loading was achieved; 2.5, 5 and 10% oligonucleotide loading were assessed. If the initial oligonucleotide content was 4%, this method produced a final oligonucleotide loading of 1.9% with an entrapment efficiency

of 47%. The integrity of the oligonucleotide and of the **polymer**, in the final freeze-dried product, was retained.

SEARCH HISTORY

=> d his ful

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     (FILE 'HOME' ENTERED AT 18:21:36 ON 22 MAY 2007)

     FILE 'HCAPLUS' ENTERED AT 18:21:52 ON 22 MAY 2007
               E GABBAY JEFFREY/AU
L1            31 SEA ABB=ON  ("GABBAY J"/AU OR "GABBAY JACOB"/AU OR "GABBAY
                  JEFFREY"/AU OR "GABBAY JEFFREY S S"/AU)
L2             2 SEA ABB=ON  L1 AND ?HYDROPHIL?(4A)?POLYMER?
L3               ANALYZE L2 1-2 TI :       12 TERMS
L4         37009 SEA ABB=ON  ?HYDROPHILIC?(P)?POLYMER?
L5           345 SEA ABB=ON  L4 AND (?VIRUS? OR ?VIRAL?)

     FILE 'REGISTRY' ENTERED AT 18:39:17 ON 22 MAY 2007
               E NITRILE/CN
L6             1 SEA ABB=ON  (NITRILES OR ACRYLICS OR POLYVINYL ALCOHOL OR
                  SILASTIC RUBBER)/CN
               E NITRILES/CN
               E ACRYLICS/CN
L7             1 SEA ABB=ON  ACRYLICS/CN
               E POLYVINYL ALCOHOL/CN
               E POLYVINYL ALCOHOLS/CN
               E SILASTIC RUBBER/CN
               E COPPER OXIDE/CN
L8             3 SEA ABB=ON  "COPPER OXIDE"/CN
               E COPPER/CN
L9             1 SEA ABB=ON  COPPER/CN

     FILE 'HCAPLUS' ENTERED AT 18:43:40 ON 22 MAY 2007
L10           83 SEA ABB=ON  L5 AND (L6 OR ?LATEX? OR ?NITRILE? OR ?ACRYLIC? OR
                  ?POLYVINYL?(W)?ALCOHOL? OR ?SILASTIC?(W)?RUBBER?)
L11            6 SEA ABB=ON  L10 AND (L8 OR L9 OR (?COPPER? OR ?CUPRIC?)(W)?OXID
                  ? OR ?COPPER?)
L12           13 SEA ABB=ON  L10 AND (?ENCAPSULAT? OR (?FIRST? OR ?SECOND?)(W)?L
                  AYER)
L13           17 SEA ABB=ON  L11 OR L12
L14           10 SEA ABB=ON  L13 AND (PRD<20040204 OR PD<20040204)

     FILE 'USPATFULL' ENTERED AT 18:47:58 ON 22 MAY 2007
L15         6686 SEA ABB=ON  L13 AND (PRD<20040204 OR PD<20040204)
L16         5833 SEA ABB=ON  L15 AND ?ENCAPSULAT?
L17          307 SEA ABB=ON  L16 AND (?FIRST? OR ?SECOND?)(W)?LAYER?
L18          114 SEA ABB=ON  L17 AND ?MULTILAYER?
L19           72 SEA ABB=ON  L18 AND ?HYDROPHIL?(W)?POLYMER?
L20            2 SEA ABB=ON  L19 AND ?INACT?(3A)(?VIRUS? OR ?VIRAL?)

     FILE 'HCAPLUS, USPATFULL' ENTERED AT 18:50:23 ON 22 MAY 2007
L21           12 DUP REMOV L14 L20 (0 DUPLICATES REMOVED)

     FILE 'MEDLINE, BIOSIS, EMBASE, JAPIO' ENTERED AT 18:50:36 ON 22 MAY 2007
L22            1 SEA ABB=ON  L14

     FILE 'HCAPLUS, USPATFULL' ENTERED AT 18:52:11 ON 22 MAY 2007
                SAV L17 HAN890L17/A  **This search was saved in case you would like
to see
                          additional citations.
```

FILE HOME

FILE HCAPLUS

FILE COVERS 1907 - 22 May 2007 VOL 146 ISS 22
FILE LAST UPDATED: 21 May 2007 (20070521/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE REGISTRY
Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 21 MAY 2007 HIGHEST RN 935505-97-8
DICTIONARY FILE UPDATES: 21 MAY 2007 HIGHEST RN 935505-97-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

FILE USPATFULL
FILE COVERS 1971 TO PATENT PUBLICATION DATE: 22 May 2007 (20070522/PD)
FILE LAST UPDATED: 22 May 2007 (20070522/ED)
HIGHEST GRANTED PATENT NUMBER: US7222369
HIGHEST APPLICATION PUBLICATION NUMBER: US2007113312
CA INDEXING IS CURRENT THROUGH 22 May 2007 (20070522/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 22 May 2007 (20070522/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2006

FILE MEDLINE
FILE LAST UPDATED: 22 May 2007 (20070522/UP). FILE COVERS 1950 TO DATE.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE BIOSIS
FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

BIOSIS has been augmented with 1.8 million archival records from 1926 to 1968. These recrods have been re-indexed to match current BIOSIS indexing.

RECORDS LAST ADDED: 16 May 2007 (20070516/ED)

FILE EMBASE
FILE COVERS 1974 TO 22 May 2007 (20070522/ED)

EMBASE is now updated daily. SDI frequency remains weekly (default) and biweekly.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE JAPIO
FILE LAST UPDATED: 27 APR 2007 <20070427/UP>
FILE COVERS APRIL 1973 TO JANUARY 25, 2007

>>> GRAPHIC IMAGES AVAILABLE <<<